

## Long Answer Type Question.

- Q1. Write an essay on UV stress tolerance and adaptation in Cyanobacteria.
- Q2. Discuss the effects of desiccation on Cyanobacterium and their survival mechanism in extreme dryness.
- Q3. Give an account of modes of propagation or reproduction in cyanobacteria and their nature of genetic material.
- Q4. Describe the heterocyst shift heterocyst nitrogen fixation in algae.
- Q5. Describe the different common methods of mass cultivation of micro algae.
- Q6. Describe the commercial product Spirulina and its uses.

## Short Answer Q.

Write short notes on

1. Eutrophication, its causes, causal organisms and remedies.
2. Heterocyst differentiation with a well labelled diagram.
3. ~~Uses of Chlorella.~~
4. Algal bloom and its causal organisms.
5. Write a short note on collection, isolation and sterilization of algae for culture.
6. Genetic material in cyanobacteria.
3. Importance of Chlorella and its nutritive value.